

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/563,451
Source: IFWP
Date Processed by STIC: 08/8/2006

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/563, 451

CRF Edit Date: 08/8/2006
Edited by: DA

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☒ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

☒ Other: Corrected on Numeric Identifier 4007



IFWP

RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/563,451

TIME: 13:28:14

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J563451.raw

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4 <110> APPLICANT: Institut National de la Sante et de la Recherche Medicale -
5      INSERM
6      ICHAS Francois
7      DE GIORGI ICHAS Francesca
8      PIAZZA Pier-Vincenzo
9      DESSOLIN Jean
10     SCHEMBRI Laura
11     TOMASELLO Flora
12     LARTIGUE Lydia
14 <120> TITLE OF INVENTION: Method for demonstration of a molecular event in a cell by
means of
15     fluorescent marker proteins
17 <130> FILE REFERENCE: D20600
C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/563,451
C--> 20 <141> CURRENT FILING DATE: 2006-01-04
22 <150> PRIOR APPLICATION NUMBER: FR 03/08 186
23 <151> PRIOR FILING DATE: 2003-07-04
25 <160> NUMBER OF SEQ ID NOS: 14
27 <170> SOFTWARE: PatentIn version 3.2
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 195
31 <212> TYPE: DNA
32 <213> ORGANISM: Artificial sequence
34 <220> FEATURE:
35 <223> OTHER INFORMATION: Probe
37 <220> FEATURE:
38 <221> NAME/KEY: CDS
39 <222> LOCATION: (1)..(174)
41 <400> SEQUENCE: 1
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43 Glu Gly Gly Gly Gly Ser Asp Glu Val Asp Ser Gly Gly Gly Gly Ser
44 1          5          10          15
46 gga ggt ggc gga tcc ttc gag ccg tcc gaa act ctg atc act acc gtt      96
47 Gly Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
48          20          25          30
50 gaa tcg aac tcg agt tgg tgg act aac tgg gtt atc cct gcg atc tct      144
51 Glu Ser Asn Ser Ser Trp Trp Thr Asn Trp Val Ile Pro Ala Ile Ser
52          35          40          45
54 gct ctg gtt gta gcg ctg atg tac cgg cgt taatgactgc agtctagagg g      195
55 Ala Leu Val Val Ala Leu Met Tyr Arg Arg
56          50          55
59 <210> SEQ ID NO: 2
60 <211> LENGTH: 58
61 <212> TYPE: PRT

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62 <213> ORGANISM: Artificial sequence

64 <220> FEATURE:

65 <223> OTHER INFORMATION: Probe

67 <400> SEQUENCE: 2

69 Glu Gly Gly Gly Gly Ser Asp Glu Val Asp Ser Gly Gly Gly Gly Ser

70 1 5 10 15

72 Gly Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val

73 20 25 30

75 Glu Ser Asn Ser Ser Trp Trp Thr Asn Trp Val Ile Pro Ala Ile Ser

76 35 40 45

78 Ala Leu Val Val Ala Leu Met Tyr Arg Arg

79 50 55

81 <210> SEQ ID NO: 3

82 <211> LENGTH: 294

83 <212> TYPE: DNA

84 <213> ORGANISM: Artificial sequence

86 <220> FEATURE:

87 <223> OTHER INFORMATION: Caspase 3 probe DEVD-SNAP-25(80-136)

89 <220> FEATURE:

90 <221> NAME/KEY: CDS

91 <222> LOCATION: (1)..(291)

93 <400> SEQUENCE: 3

94 gaa ggt gga gga ggt tca gat gaa gtc gat tca gga gga ggt gga tct 48

95 Glu Gly Gly Gly Gly Ser Asp Glu Val Asp Ser Gly Gly Gly Gly Ser

96 1 5 10 15

98 gga ggt ggc gga tcc ttc gag ccg tcc gaa act ctg atc act acc gtt 96

99 Gly Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val

100 20 25 30

102 gaa tcg aac tcg agt atg gac cta gga aaa ttc tgc ggg ctt tgt gtg 144

103 Glu Ser Asn Ser Ser Met Asp Leu Gly Lys Phe Cys Gly Leu Cys Val

104 35 40 45

106 tgt ccc tgt aac aag ctt aaa tcc agt gat gct tac aaa aaa gcc tgg 192

107 Cys Pro Cys Asn Lys Leu Lys Ser Ser Asp Ala Tyr Lys Lys Ala Trp

108 50 55 60

110 ggc aat aat cag gat gga gta gtg gcc agc cag cct gcc cgt gtg gtg 240

111 Gly Asn Asn Gln Asp Gly Val Val Ala Ser Gln Pro Ala Arg Val Val

112 65 70 75 80

114 gat gaa cgg gag cag atg gcc atc agt ggt ggc ttc atc cgc aga cgc 288

115 Asp Glu Arg Glu Gln Met Ala Ile Ser Gly Gly Phe Ile Arg Arg Arg

116 85 90 95

118 gtc taa 294

119 Val

122 <210> SEQ ID NO: 4

123 <211> LENGTH: 97

124 <212> TYPE: PRT

125 <213> ORGANISM: Artificial sequence

127 <220> FEATURE:

128 <223> OTHER INFORMATION: Caspase 3 probe DEVD-SNAP-25(80-136)

130 <400> SEQUENCE: 4

RAW SEQUENCE LISTING

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Input Set : A:\pto.da.txt

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132 Glu Gly Gly Gly Gly Ser Asp Glu Val Asp Ser Gly Gly Gly Gly Ser
133 1          5          10          15
135 Gly Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
136          20          25          30
138 Glu Ser Asn Ser Ser Met Asp Leu Gly Lys Phe Cys Gly Leu Cys Val
139          35          40          45
141 Cys Pro Cys Asn Lys Leu Lys Ser Ser Asp Ala Tyr Lys Lys Ala Trp
142          50          55          60
144 Gly Asn Asn Gln Asp Gly Val Val Ala Ser Gln Pro Ala Arg Val Val
145 65          70          75          80
147 Asp Glu Arg Glu Gln Met Ala Ile Ser Gly Phe Ile Arg Arg Arg
148          85          90          95
150 Val
154 <210> SEQ ID NO: 5
155 <211> LENGTH: 294
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Caspase 8 probe IETD SNAP-25(80-136)
162 <220> FEATURE:
163 <221> NAME/KEY: CDS
164 <222> LOCATION: (1)..(291)
166 <400> SEQUENCE: 5
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168 Glu Gly Gly Gly Gly Ser Ile Glu Thr Asp Ser Gly Gly Gly Gly Ser
169 1          5          10          15
171 gga ggt ggc gga tcc ttc gag ccg tcc gaa act ctg atc act acc gtt      96
172 Gly Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
173          20          25          30
175 gaa tcg aac tcg agt atg gac cta gga aaa ttc tgc ggg ctt tgt gtg      144
176 Glu Ser Asn Ser Ser Met Asp Leu Gly Lys Phe Cys Gly Leu Cys Val
177          35          40          45
179 tgt ccc tgt aac aag ctt aaa tcc agt gat gct tac aaa aaa gcc tgg      192
180 Cys Pro Cys Asn Lys Leu Lys Ser Ser Asp Ala Tyr Lys Lys Ala Trp
181          50          55          60
183 ggc aat aat cag gat gga gta gtg gcc agc cag cct gcc cgt gtg gtg      240
184 Gly Asn Asn Gln Asp Gly Val Val Ala Ser Gln Pro Ala Arg Val Val
185 65          70          75          80
187 gat gaa cgg gag cag atg gcc atc agt ggt ggc ttc atc cgc aga cgc      288
188 Asp Glu Arg Glu Gln Met Ala Ile Ser Gly Gly Phe Ile Arg Arg Arg
189          85          90          95
191 gtc taa      294
192 Val
196 <210> SEQ ID NO: 6
197 <211> LENGTH: 97
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Caspase 8 probe IETD SNAP-25(80-136)

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RAW SEQUENCE LISTING

DATE: 08/08/2006

PATENT APPLICATION: US/10/563,451

TIME: 13:28:14

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J563451.raw

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204 <400> SEQUENCE: 6
206 Glu Gly Gly Gly Gly Ser Ile Glu Thr Asp Ser Gly Gly Gly Gly Ser
207 1 5 10 15
209 Gly Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
210 20 25 30
212 Glu Ser Asn Ser Ser Met Asp Leu Gly Lys Phe Cys Gly Leu Cys Val
213 35 40 45
215 Cys Pro Cys Asn Lys Leu Lys Ser Ser Asp Ala Tyr Lys Lys Ala Trp
216 50 55 60
218 Gly Asn Asn Gln Asp Gly Val Val Ala Ser Gln Pro Ala Arg Val Val
219 65 70 75 80
221 Asp Glu Arg Glu Gln Met Ala Ile Ser Gly Gly Phe Ile Arg Arg Arg
222 85 90 95
224 Val
227 <210> SEQ ID NO: 7
228 <211> LENGTH: 960
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Caspase 3 probe DEVD-ANTI-2
235 <220> FEATURE:
236 <221> NAME/KEY: CDS
237 <222> LOCATION: (1)..(957)
239 <400> SEQUENCE: 7
240 gaa ggt gga gga ggt tca gat gaa gtc gat tca gga gga ggt gga tct 48
241 Glu Gly Gly Gly Gly Ser Asp Glu Val Asp Ser Gly Gly Gly Gly Ser
242 1 5 10 15
244 gga ggt ggc gga tcc atg aca gat gcc gct gtg tcc ttc gcc aag gac 96
245 Gly Gly Gly Gly Ser Met Thr Asp Ala Ala Val Ser Phe Ala Lys Asp
246 20 25 30
248 ttc ttg gcc ggt gga gtg gcc gca gcc atc tcc aag aca gcg gta gca 144
249 Phe Leu Ala Gly Gly Val Ala Ala Ala Ile Ser Lys Thr Ala Val Ala
250 35 40 45
252 ccc atc gag agg gtc aag ctg ctg ctg cag gtg cag cat gcc agc aag 192
253 Pro Ile Glu Arg Val Lys Leu Leu Leu Gln Val Gln His Ala Ser Lys
254 50 55 60
256 caa atc acg gca gat aag caa tac aag ggc atc ata gac tgc gtg gtt 240
257 Gln Ile Thr Ala Asp Lys Gln Tyr Lys Gly Ile Ile Asp Cys Val Val
258 65 70 75 80
260 cgt atc ccc aag gaa cag gga gtc ctg tcc ttc tgg cgt ggg aac ctg 288
261 Arg Ile Pro Lys Glu Gln Gly Val Leu Ser Phe Trp Arg Gly Asn Leu
262 85 90 95
264 gcc aat gtc atc aga tac ttc ccc acc cag gct ctc aac ttt gcc ttc 336
265 Ala Asn Val Ile Arg Tyr Phe Pro Thr Gln Ala Leu Asn Phe Ala Phe
266 100 105 110
268 aaa gat aaa tac aag cag atc ttt ctg ggt ggt gtg gac aag agg acc 384
269 Lys Asp Lys Tyr Lys Gln Ile Phe Leu Gly Gly Val Asp Lys Arg Thr
270 115 120 125
272 cag ttc tgg cgc tac ttt gca ggg aac ctg gca tca ggt ggt gcc gct 432

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Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J563451.raw

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273 Gln Phe Trp Arg Tyr Phe Ala Gly Asn Leu Ala Ser Gly Gly Ala Ala
274      130      135      140
276 ggg gct aca tcc ttg tgc ttt gtg tac cct ctt gat ttt gcc cgt acc      480
277 Gly Ala Thr Ser Leu Cys Phe Val Tyr Pro Leu Asp Phe Ala Arg Thr
278 145      150      155      160
280 cgt cta gca gct gat gtg ggc aaa gct gga gct gaa agg gaa ttc aaa      528
281 Arg Leu Ala Ala Asp Val Gly Lys Ala Gly Ala Glu Arg Glu Phe Lys
282      165      170      175
284 ggc ctt ggt gac tgc ctg gtt aag atc tac aaa tct gat ggg att aag      576
285 Gly Leu Gly Asp Cys Leu Val Lys Ile Tyr Lys Ser Asp Gly Ile Lys
286      180      185      190
288 ggc ctg tac caa ggc ttt aat gtg tca gta cag ggc att atc atc tac      624
289 Gly Leu Tyr Gln Gly Phe Asn Val Ser Val Gln Gly Ile Ile Ile Tyr
290      195      200      205
292 cga gct gcc tac ttt ggt atc tat gac act gca aag gga atg ctc cca      672
293 Arg Ala Ala Tyr Phe Gly Ile Tyr Asp Thr Ala Lys Gly Met Leu Pro
294      210      215      220
296 gat ccc aag aat act cac atc ttc atc agc tgg atg att gca cag tct      720
297 Asp Pro Lys Asn Thr His Ile Phe Ile Ser Trp Met Ile Ala Glu Ser
298 225      230      235      240
300 gtc act gct gtc gct ggc ctg act tcc tat cct ttt gac acg gtt cgc      768
301 Val Thr Ala Val Ala Gly Leu Thr Ser Tyr Pro Phe Asp Thr Val Arg
302      245      250      255
304 cgt cgt atg atg atg cag tct gga cgc aaa gga act gat atc atg tac      816
305 Arg Arg Met Met Met Gln Ser Gly Arg Lys Gly Thr Asp Ile Met Tyr
306      260      265      270
308 aca ggc acg ctt gac tgc tgg cgg aag atc gcg cgc gat gaa ggg agc      864
309 Thr Gly Thr Leu Asp Cys Trp Arg Lys Ile Ala Arg Asp Glu Gly Ser
310      275      280      285
312 aag gct ttt ttc aag ggc gca tgg tcc aac gtt ctc aga ggc atg ggt      912
313 Lys Ala Phe Phe Lys Gly Ala Trp Ser Asn Val Leu Arg Gly Met Gly
314      290      295      300
316 ggc gcc ttt gtg ctt gtc ttg tat gat gag atc aag aaa tac aca taa      960
317 Gly Ala Phe Val Leu Val Leu Tyr Asp Glu Ile Lys Lys Tyr Thr
318 305      310      315
321 <210> SEQ ID NO: 8
322 <211> LENGTH: 319
323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Caspase 3 probe DEVD-ANT-2
329 <400> SEQUENCE: 8
331 Glu Gly Gly Gly Ser Asp Glu Val Asp Ser Gly Gly Gly Gly Ser
332 1      5      10      15
334 Gly Gly Gly Gly Ser Met Thr Asp Ala Ala Val Ser Phe Ala Lys Asp
335      20      25      30
337 Phe Leu Ala Gly Gly Val Ala Ala Ala Ile Ser Lys Thr Ala Val Ala
338      35      40      45
340 Pro Ile Glu Arg Val Lys Leu Leu Leu Gln Val Gln His Ala Ser Lys

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VERIFICATION SUMMARY

DATE: 08/08/2006

PATENT APPLICATION: US/10/563,451

TIME: 13:28:15

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\08082006\J563451.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application Number

L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing
(for reference only)**



IFWP

RAW SEQUENCE LISTING

DATE: 08/02/2006

PATENT APPLICATION: US/10/563,451

TIME: 08:54:23

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\08022006\J563451.raw

4 <110> APPLICANT: Institut National de la Sante et de la Recherche Medicale -
 5 INSERM
 6 ICHAS Francois
 7 DE GIORGI ICHAS Francesca
 8 PIAZZA Pier-Vincenzo
 9 DESSOLIN Jean
 10 SCHEMBRI Laura
 11 TOMASELLO Flora
 12 LARTIGUE Lydia
 14 <120> TITLE OF INVENTION: Method for demonstration of a molecular event in a cell by
 means of
 15 fluorescent marker proteins
 17 <130> FILE REFERENCE: D20600
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/563,451
 C--> 20 <141> CURRENT FILING DATE: 2006-01-04
 22 <150> PRIOR APPLICATION NUMBER: FR 03/08 186
 23 <151> PRIOR FILING DATE: 2003-07-04
 25 <160> NUMBER OF SEQ ID NOS: 14
 27 <170> SOFTWARE: PatentIn version 3.2

Does Not Comply
 Corrected Diskette Needed
 (pgs - 1, 2)

ERRORED SEQUENCES

569 <210> SEQ ID NO: 13
 570 <211> LENGTH: 177
 571 <212> TYPE: DNA
 572 <213> ORGANISM: Artificial sequence
 574 <220> FEATURE:
 575 <223> OTHER INFORMATION: Caspase 8 probe IETD-cb5RR
 577 <220> FEATURE:
 578 <221> NAME/KEY: CDS
 579 <222> LOCATION: (1)..(174)
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 584 1 5 10 15
 586 gga ggt ggc gga tcc ttc gag ccg tcc gaa act ctg atc act acc gtt 96
 587 Gly Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
 588 20 25 30
 590 gaa tcg aac tcg agt tgg tgg act aac tgg gtt atc cct gcg atc tct 144
 591 Glu Ser Asn Ser Ser Trp Trp Thr Asn Trp Val Ile Pro Ala Ile Ser
 592 35 40 45
 594 gct ctg gtt gta gcg ctg atg tac cgg cgt taa 177
 595 Ala Leu Val Val Ala Leu Met Tyr Arg Arg

RAW SEQUENCE LISTING

DATE: 08/02/2006

PATENT APPLICATION: US/10/563,451

TIME: 08:54:23

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\08022006\J563451.raw

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604 <220> FEATURE:
605 <223> OTHER INFORMATION: Caspase 8 probe IETD-cb5RR
607 <400> SEQUENCE: 14
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612 Gly Gly Gly Gly Ser Phe Glu Pro Ser Glu Thr Leu Ile Thr Thr Val
613 20 25 30
615 Glu Ser Asn Ser Ser Trp Trp Thr Asn Trp Val Ile Pro Ala Ile Ser
616 35 40 45
618 Ala Leu Val Val Ala Leu Met Tyr Arg Arg
619 50 55

E-->

628 1^R

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/563,451

DATE: 08/02/2006

TIME: 08:54:24

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Output Set: N:\CRF4\08022006\J563451.raw

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L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:581 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:13 differs:3

L:623 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:14